

### COMPLETE LISTING OF CLAIMS AS AMENDED

1. (currently amended) A method of obtaining solution suggestions for contradictional problems using a specially programmed computer having two-way access to at least one semantically-indexed database and having at least one user accessible output device comprising the steps of;

inputting into the specially programmed computer a natural language query which is a restatement of a contradiction having at least two contradictional elements and having at least two semantic items as part of each contradictional element;

submitting the natural language query for a search to at least one semantically indexed database which is accessible by the computer to search for the semantic items of the query according to the semantic role of the words in the database;

causing search results [[responses]] from the search of the database to be communicated to the computer; and

providing from the computer to an output device the search results [[responses]] from the search of the database.

2. (previously presented) The method of claim 1 in which the semantically indexed database is a semantically indexed patent collection.

3. (previously presented) The method of claim 1 in which the natural language query is submitted to search a semantically indexed database, the natural language query being combined with a specific search criterion.

4. (currently amended) The method of claim 1 in which the natural language query is submitted recurrently to different parts of the semantically indexed database, the parts of the semantically indexed database being selected according to a plurality of different specific criteria[[criterion]] which is combined with the natural language query, and corresponding recurrent responses create dependence of the search results to each of the different specific criterion whereby variation in the search results to the recurrent different specific criteria[[criteria]] may be determined. [[.]]

5. (previously presented) The method of claim 3 in which the specific search criterion is a time interval.

6. (previously presented) The method of claim 3 in which the specific search criterion is a defined type of organization.
7. (previously presented) The method of claim 3 in which the specific search criterion is a geographical description.
8. (previously presented) The method of claim 4 in which the different specific criteria are different time periods or different particular times.
9. (previously presented) The method of claim 4 in which the different specific criteria are different geographical areas.
10. (previously presented) The method of claim 6 in which the defined type of organization is an industrial designation.
11. (previously presented) The method of claim 6 in which the defined type of organization is an institutional designation.
12. (currently amended) A system for obtaining solution suggestions for contradictory problems, said system comprising;
  - a specially programmed computer having an input device and at least one output device;
  - said program having an element enabling inputting into the program a natural language query as a restatement of a contradiction said contradiction having at least two contradictory elements and having at least two semantic items as part of each contradictory element;
  - at least one semantically indexed database accessible by the program;
  - an element of said program enabling submission of said natural language query to said at least one semantically indexed database to execute a search to search for the semantic items of the query according to the semantic role of the words for the database; and
  - an element of the program providing access to the search results [[responses]] from the search by the output device to a user.
13. (previously presented) The system as in claim 12 in which the semantically indexed database is a semantically indexed patent collection.
14. (previously presented) The system of claim 12 in which the natural language query is submitted to search a semantically indexed database, the natural language query being combined with a specific search criterion.

15. (currently amended) The method of claim 12 in which the natural language query is submitted recurrently to different parts of the semantically indexed database, the parts of the semantically indexed database being selected according to a plurality of different specific criteria[[criterion]] which is combined with the natural language query, and corresponding recurrent responses create dependence of the search results to each of the different specific criterion whereby variation in the search results to the recurrent different specific criteria[[criteria]] may be determined.
16. (previously presented) The system of claim 14 in which the specific search criterion is a time interval.
17. (previously presented) The system of claim 14 in which the specific search criterion is a defined type of organization.
18. (previously presented) The system of claim 14 in which the specific search criterion is a geographical description.
19. (previously presented) The system of claim 15 in which the different specific criteria are different time periods or different particular times.
20. (previously presented) The system of claim 15 in which the different specific criteria are different geographical areas.
21. (previously presented) The system of claim 17 in which the defined type of organization is an industrial designation.
22. (previously presented) The system of claim 17 in which the defined type of organization is an institutional designation.
23. (currently amended) A method of obtaining solution suggestions for contradictional problems using a specially programmed computer having two-way access to at least one semantically indexed database and having at least one user accessible output device comprising the steps of;  
    formulating by a portion of the computer program of the specially programmed computer a natural language query as a restatement of a contradiction having at least two contradictional elements and having at least two semantic items as part of each contradictory element;  
    submitting the natural language query for a search to at least one semantically indexed database which is accessible by the computer to

search for the semantic stems of the query according to the semantic role of the words in the database;

causing search results [[responses]] from the search of the database to be communicated to the computer; and

providing from the computer to an output device the responses from the search of the database.

24. (previously presented) The method of claim 23 in which the semantically indexed database is a semantically indexed patent collection.

25. (previously presented) The method of claim 23 in which the natural language query is submitted to search a semantically indexed database, the natural language query being combined with a specific search criteria.

26. (currently amended) The method of claim 23 in which the natural language query is submitted recurrently to different parts of the semantically indexed database, the parts of the semantically indexed database being selected according to a plurality of different specific criteria[[criterion]] which is combined with the natural language query, and corresponding recurrent responses create dependence of the search results to each of the different specific criterion whereby variation in the search results to the recurrent different specific criteria[[criteria]] may be determined. [[.]]

27. (previously presented) The method of claim 25 in which the specific search criterion is a time interval.

28. (previously presented) The method of claim 25 in which the specific search criterion is a defined type of organization.

29. (previously presented) The method of claim 25 in which the specific search criterion is a geographical description.

30. (previously presented) The method of claim 26 in which the different specific criteria are different time periods or different particular times.

31. (previously presented) The method of claim 26 in which the different specific criteria are different geographical areas.

32. (previously presented) The method of claim 28 in which the defined type of organization is an industrial designation.

33. (previously presented) The method of claim 28 in which the defined type of organization is an institutional designation.

34. (currently amended) A system for obtaining solution suggestions for contradictional problems, said system comprising;

a computer specially programmed for formulating a natural language query as a restatement of a contradiction said contradiction having at least two contradictional elements and having at least two semantic items as part of each contradictional element;

an element having a semantically indexed database or access to a semantically indexed database of engineering solutions;

said computer being programmed to enable submission of said natural language query to said semantically indexed database to execute a search for the semantic items of the query according to the semantic role of the words in the database; and

means for providing access to the search results of the search to a user.

35. (previously presented) The system as in claim 34 in which the semantically indexed database is a semantically indexed patent collection.

36. (previously presented) The system of claim 34 in which the natural language query is submitted to search a semantically indexed database, the natural language query being combined with a specific search criterion.

37. (currently amended) The method of claim 34 in which the natural language query is submitted recurrently to different parts of the semantically indexed database, the parts of the semantically indexed database being selected according to a plurality of different specific criteria[[criterion]] which is combined with the natural language query, and corresponding recurrent responses create dependence of the search results to each of the different specific criterion whereby variation in the search results to the recurrent different specific criteria[[criteria]] may be determined.

38. (previously presented) The system of claim 36 in which the specific search criterion is a time interval.

39. (previously presented) The system of claim 36 in which the specific search criterion is a defined type of organization.


40. (previously presented) The system of 36 in which the specific search criterion is a geographical description.

- 41. (previously presented) The system of claim 37 in which the different specific criteria are different time periods or different particular times.
- 42. (previously presented) The system of claim 37 in which the different specific criteria are different geographical areas.
- 43. (previously presented) The system of claim 39 in which the defined type of organization is an industrial designation.
- 44. (previously presented) The system of claim 39 in which the defined type of organization is an institutional designation.

With the above remarks, amendments to the specification, and amendments to the claims, it is submitted that the application is in condition for allowance and a notice thereof is requested.

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Respectfully submitted,

A handwritten signature in cursive script, reading "Lawrence S. Cohen", written over a horizontal line.

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